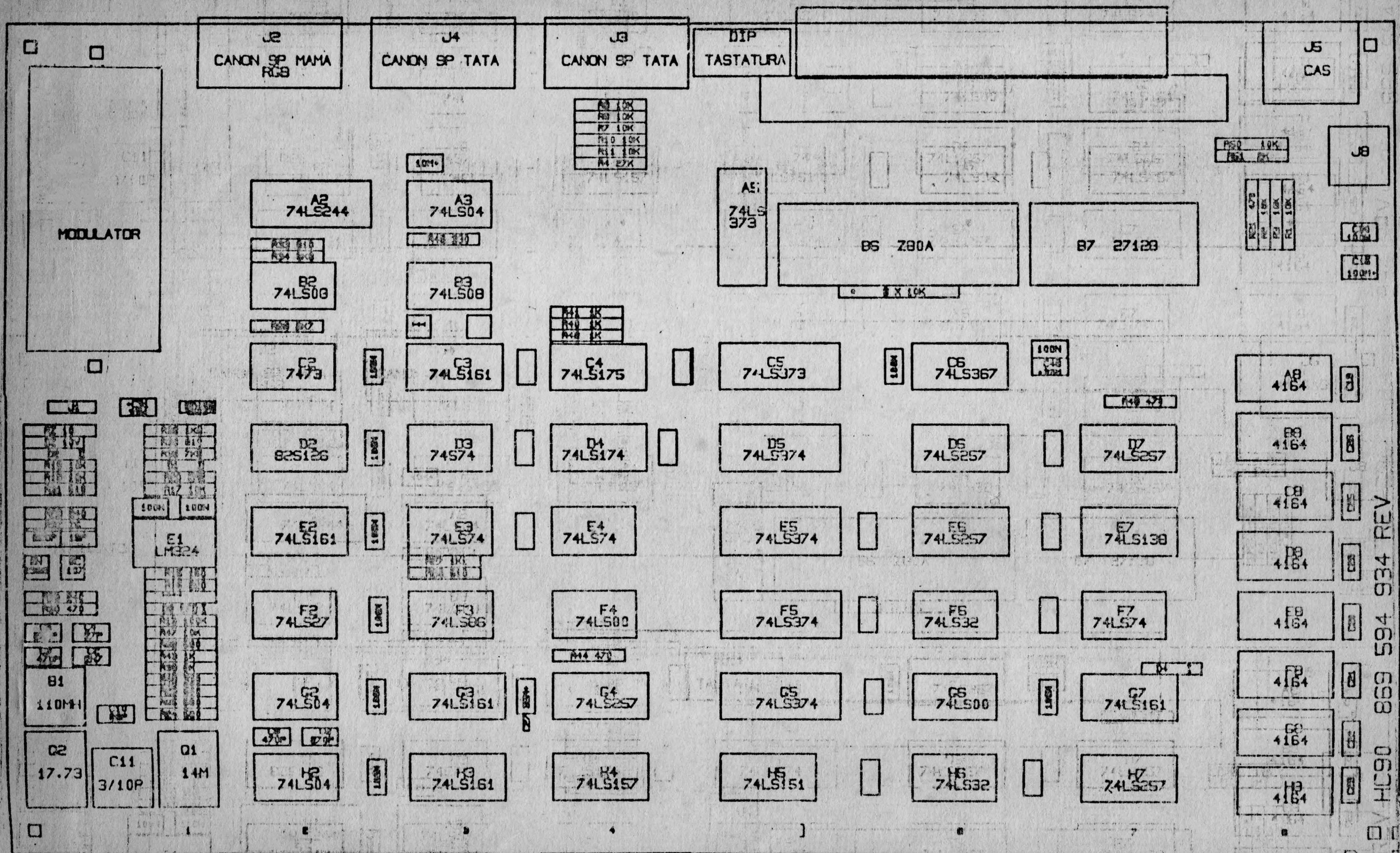
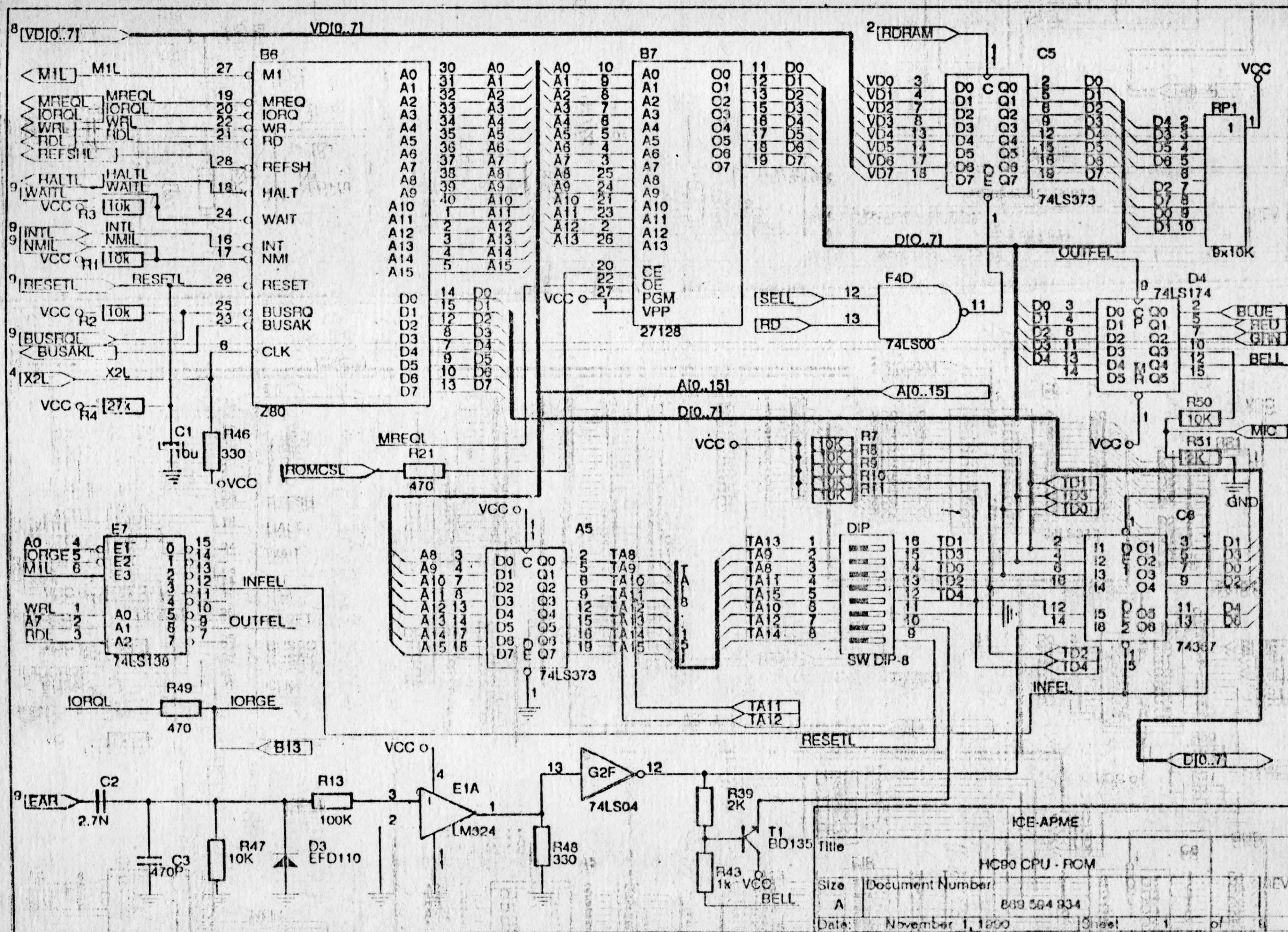
HC - 90

CARTE TEHNICĂ DE ASAMBLARE

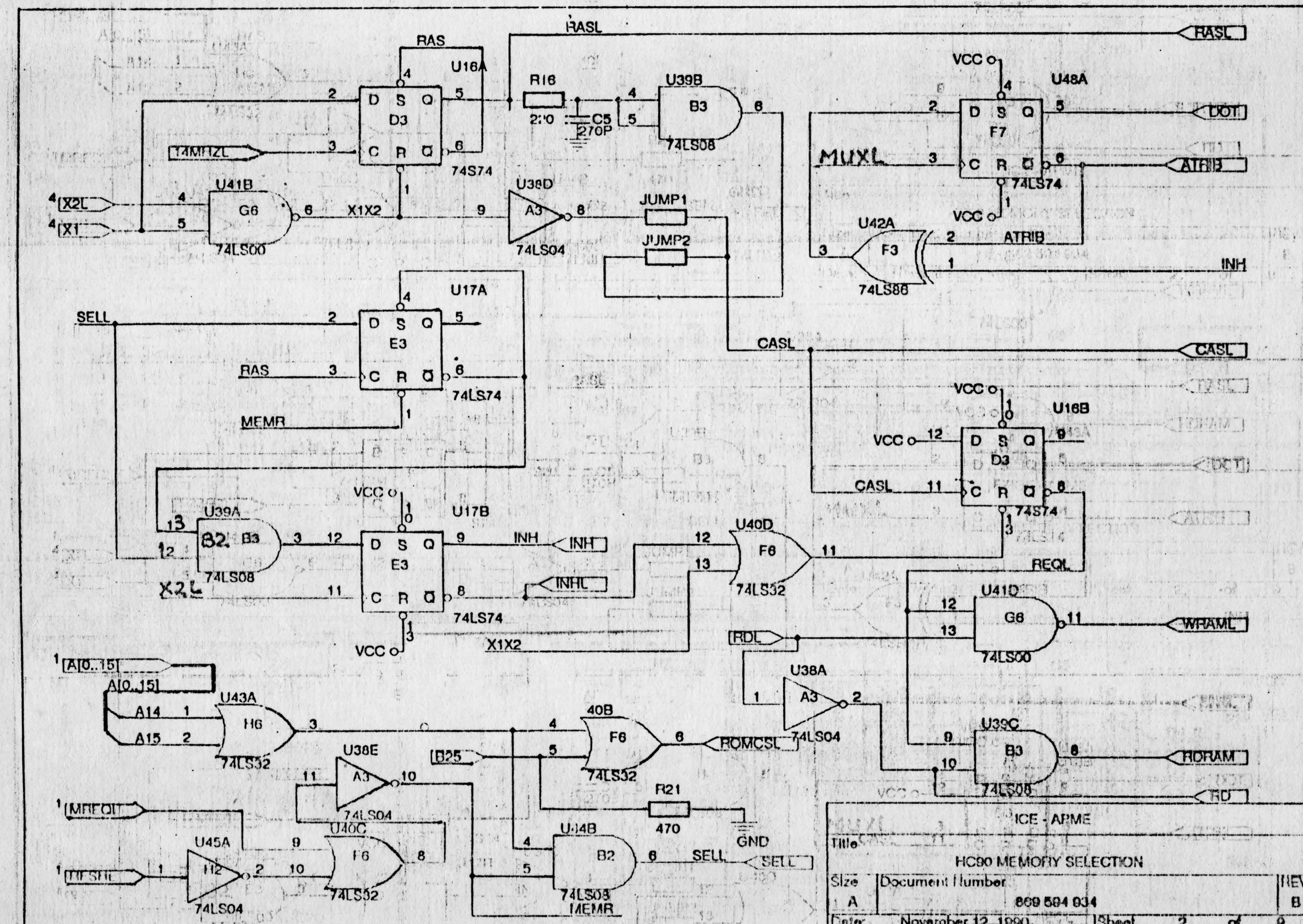
Scanat 26.XII.2015

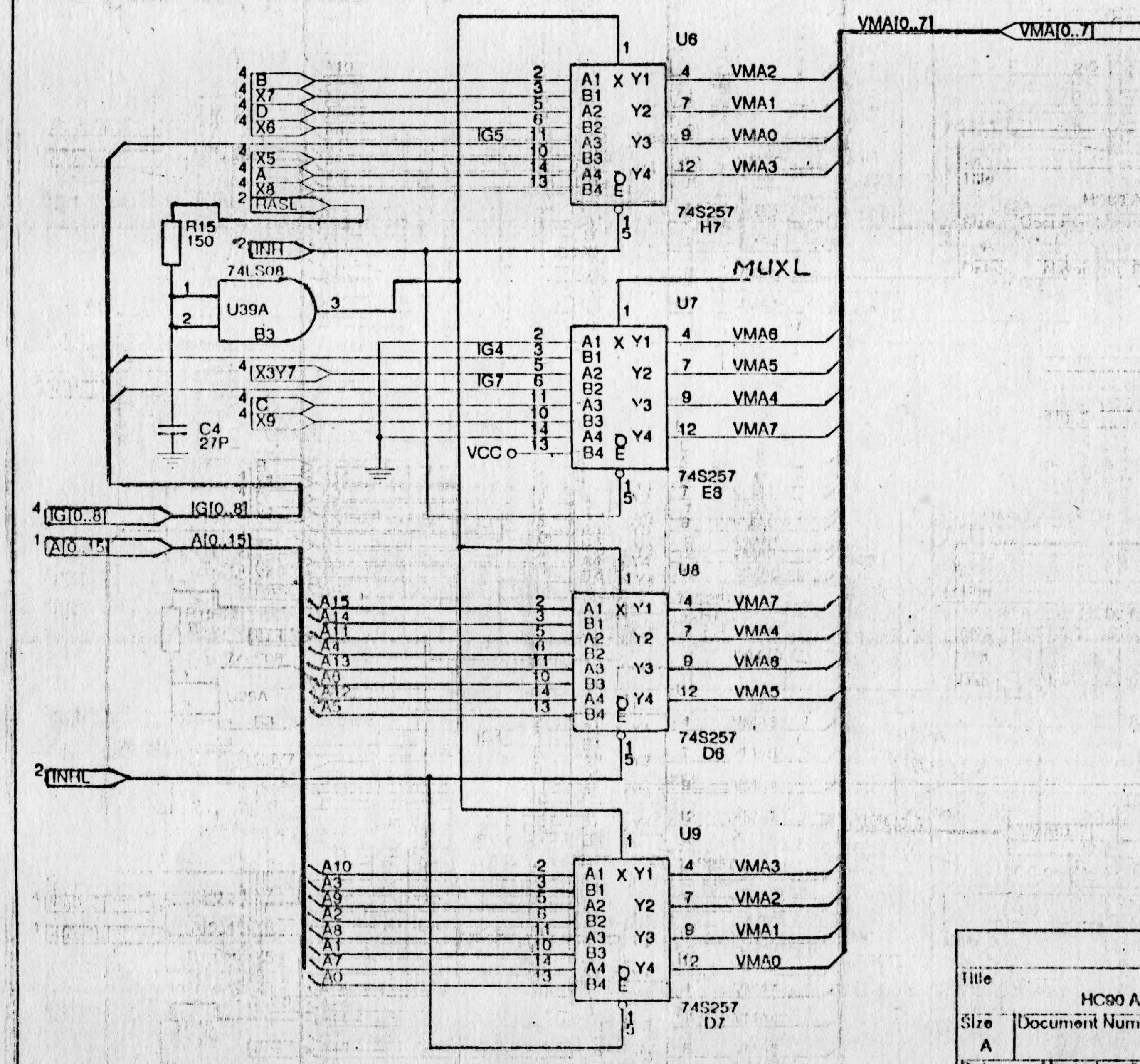


J2
CANON SP MAMA RGB
J4
CANON SP TATA
J3
CANON SP TATA
DIP
TASTATURA
J5
CAS
J8
MODULATOR
A2 74LS244
A3 74LS04
A5 74LS 373
B6 Z80A
B7 27128
B2 74LS00
B3 74LS08
8 X 10K
C2 7473
C3 74LS161
C4 74LS175
C5 74LS373
C6 74LS367
A8 4164
D2 82S126
D3 74S74
D4 74LS174
D5 74LS374
D6 74LS257
D7 74LS257
B8 4164
E1 LM324
E2 74LS161
E3 74LS74
E4 74LS74
E5 74LS374
E6 74LS257
E7 74LS138
C8 4164
D8 4164
F2 74LS27
F3 74LS86
F4 74LS00
F5 74LS374
F6 74LS32
F7 74LS74
E8 4164
B1 110MH
G2 74LS04
G3 74LS161
G4 74LS257
G5 74LS374
G6 74LS00
G7 74LS161
F8 4164
G8 4164
Q2 17.73
C11 3/10P
Q1 14M
H2 74LS04
H3 74LS161
H4 74LS157
H5 74LS151
H6 74LS32
H7 74LS257
H8 4164
V HC90 869 594 934 REV

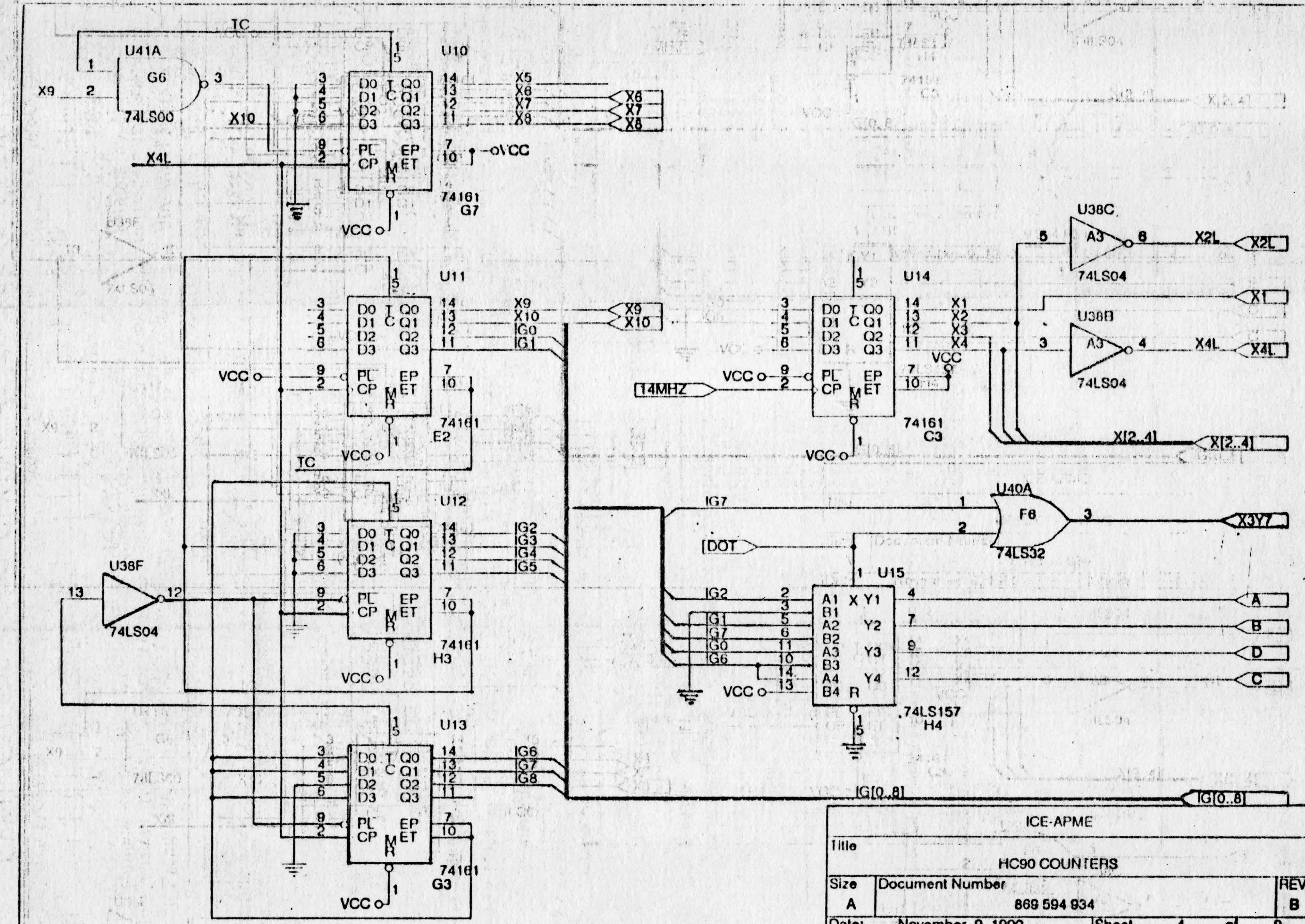


VD[0..7]
M1L
MREQL
IORQL
WRL
RDL
REFSHL
HALTL
WAITL
INTL
NMIL
RESETL
BUSRQL
BUSAKL
X2L
VCC
B6
Z80
M1
MREQ
IORQ
WR
RD
REFSH
HALT
WAIT
INT
NMI
RESET
BUSRQ
BUSAK
CLK
B7
27128
CE
OE
PGM
VPP
C5
74LS373
RDRAM
RP1
9x10K
D[0..7]
OUTFEL
F4D
74LS00
SELL
RD
D4
74LS174
BLUE
RED
GRN
BELL
A[0..15]
MIC
R50
10K
R51
2K
GND
ROMCSL
R21
470
C1
10u
R46
330
E7
74LS138
INFEL
IORGE
R49
470
B13
A5
74LS373
DIP
SW DIP-8
C8
74367
TA11
TA12
TD1
TD3
TD0
TD2
TD4
R7
R8
R9
R10
R11
EAR
C2
2.7N
C3
470P
R47
10K
D3
EFD110
R13
100K
E1A
LM324
R48
330
G2F
74LS04
R39
2K
R43
1k
T1
BD135
ICE-APME
Title
HC90 CPU - ROM
Size
A
Document Number
889 594 934
Date: November 1, 1990
Sheet 1 of 6

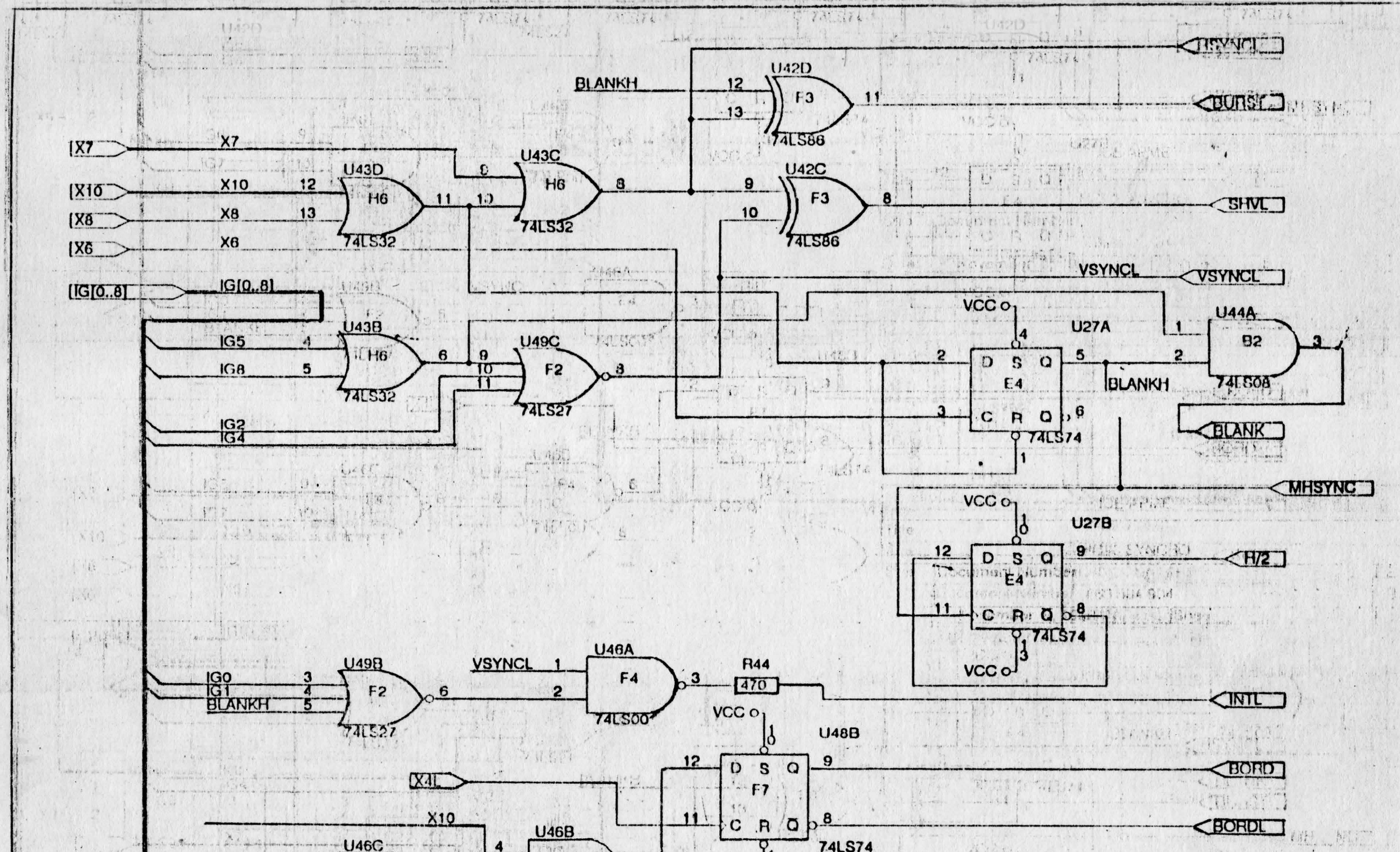

RASL
RAS
U16A
74S74
D3
14MHZL
X2L
X1
U41B
G6
74LS00
X1X2
U38D
A3
74LS04
R16
C5
270P
U39B
B3
74LS08
JUMP1
JUMP2
VCC
U48A
F7
74LS74
MUXL
DOT
ATRIB
U42A
F3
74LS86
INH
U17A
E3
SELL
MEMR
CASL
U16B
U39A
B2
X2L
U17B
INHL
U40D
F6
74LS32
REQL
U41D
WRAML
RDL
U38A
U39C
RDRAM
RD
A[0..15]
A14
A15
U43A
H6
40B
B25
ROMCSL
U38E
R21
470
GND
MREQL
RFSHL
U45A
H2
U40C
U44B
ICE - ARME
Title
HC90 MEMORY SELECTION
Size
A
Document Number
869 594 934
REV
B
Date:
November 12, 1990
Sheet
2
of
9



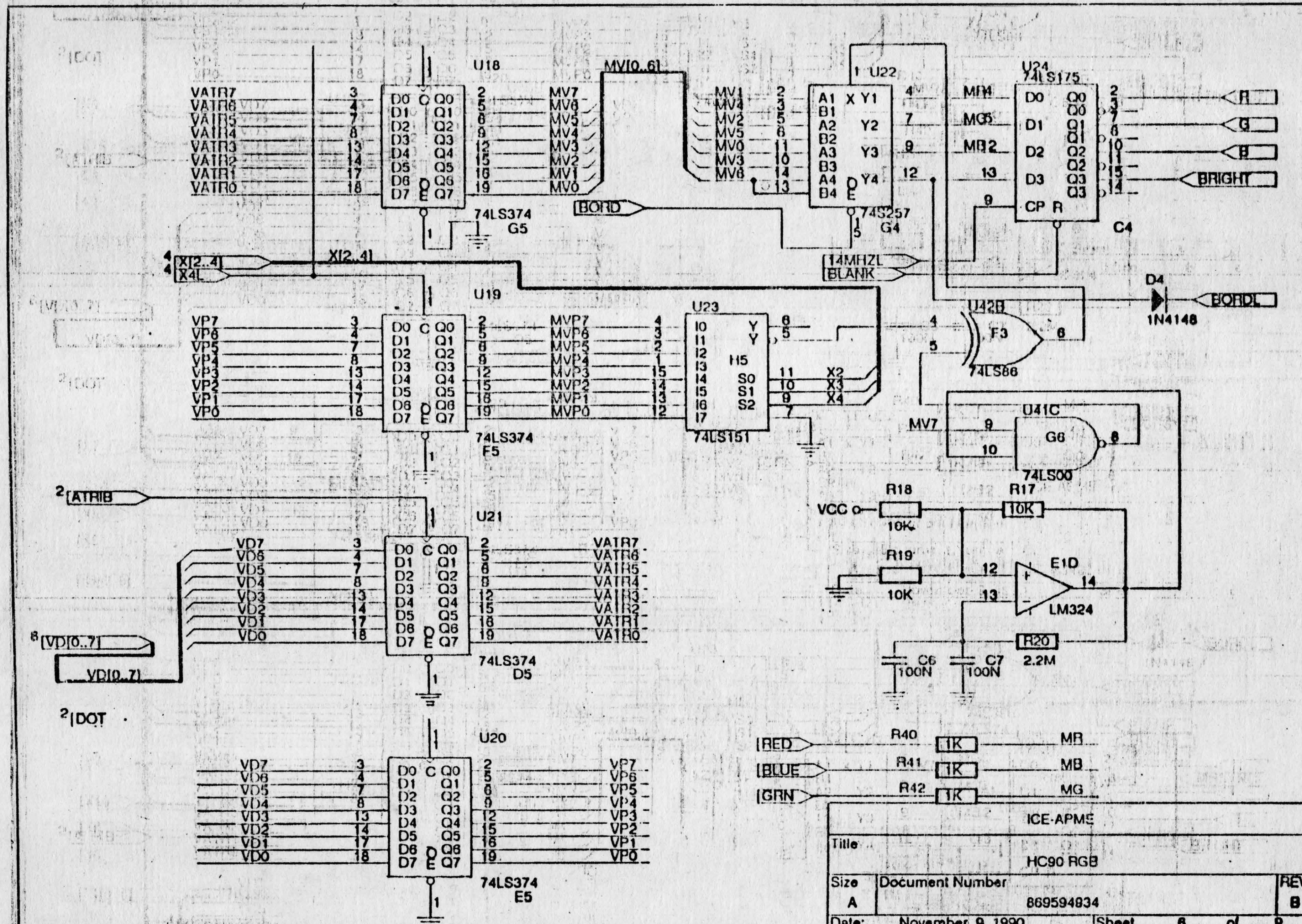
ICE-APME		
Title: HC90 ADDRESS MULTIPLEXING		
Size: A	Document Number: 869 594 934	REV: B
Date: November 9, 1990	Sheet 3 of 9	

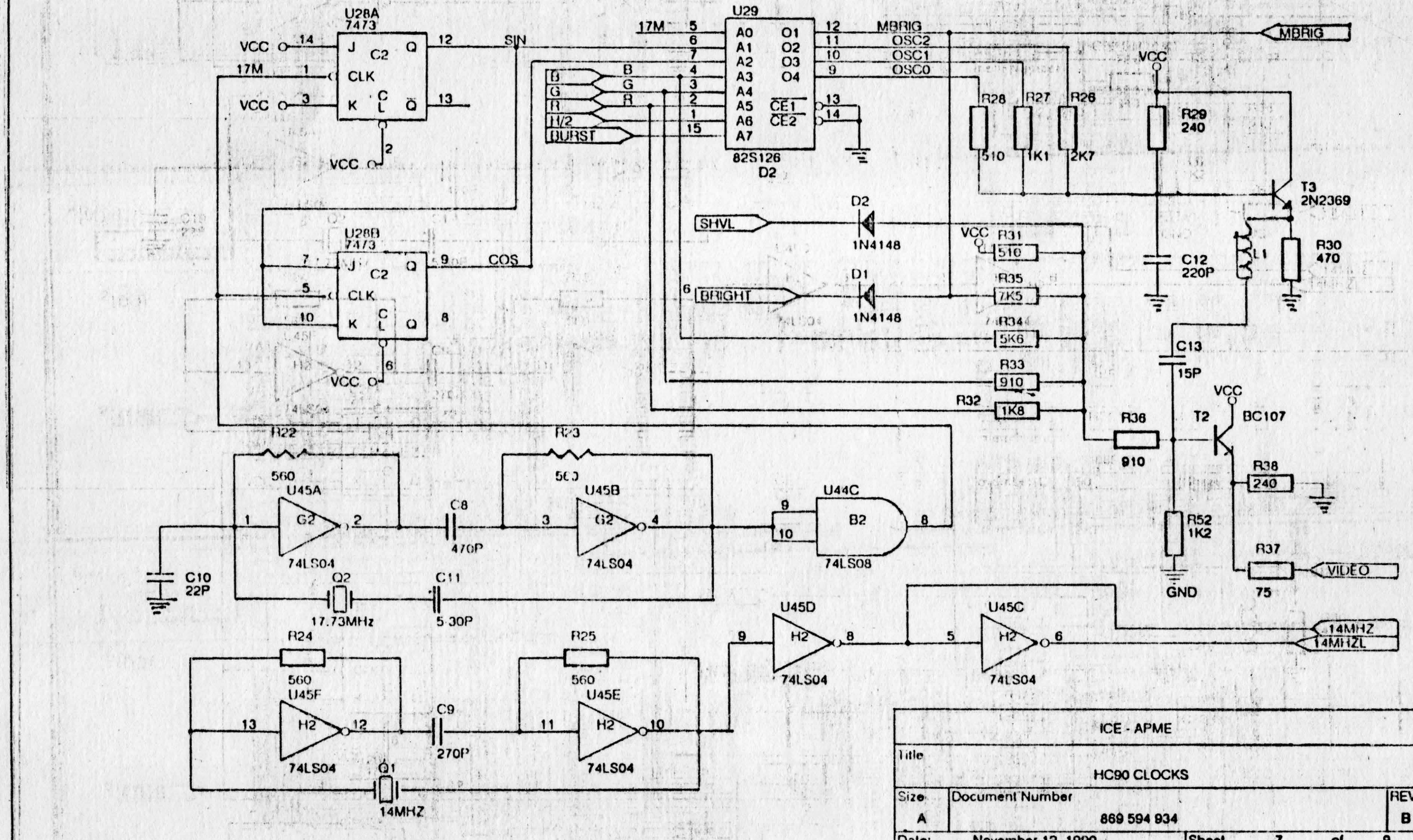


ICE-APME		
Title: HC90 COUNTERS		
Size: A	Document Number: 869 594 934	REV: B
Date: November 9, 1990	Sheet 4 of 9	

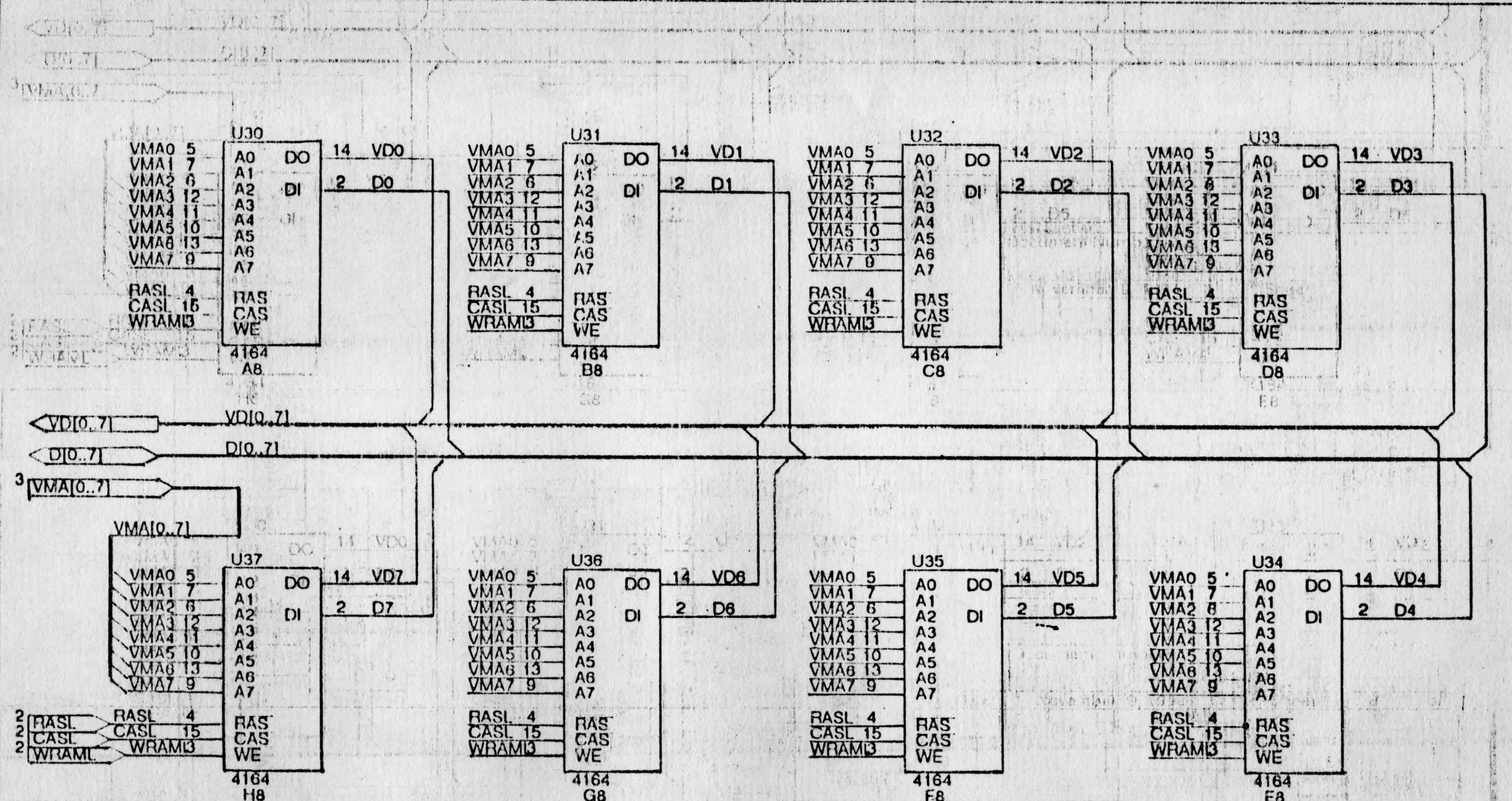


	ICE-APME	
Title	HC90 SYNCRO	
Size A	Document Number 869 594 934	REV B
Date: November 9, 1990	Sheet 5 of 9	

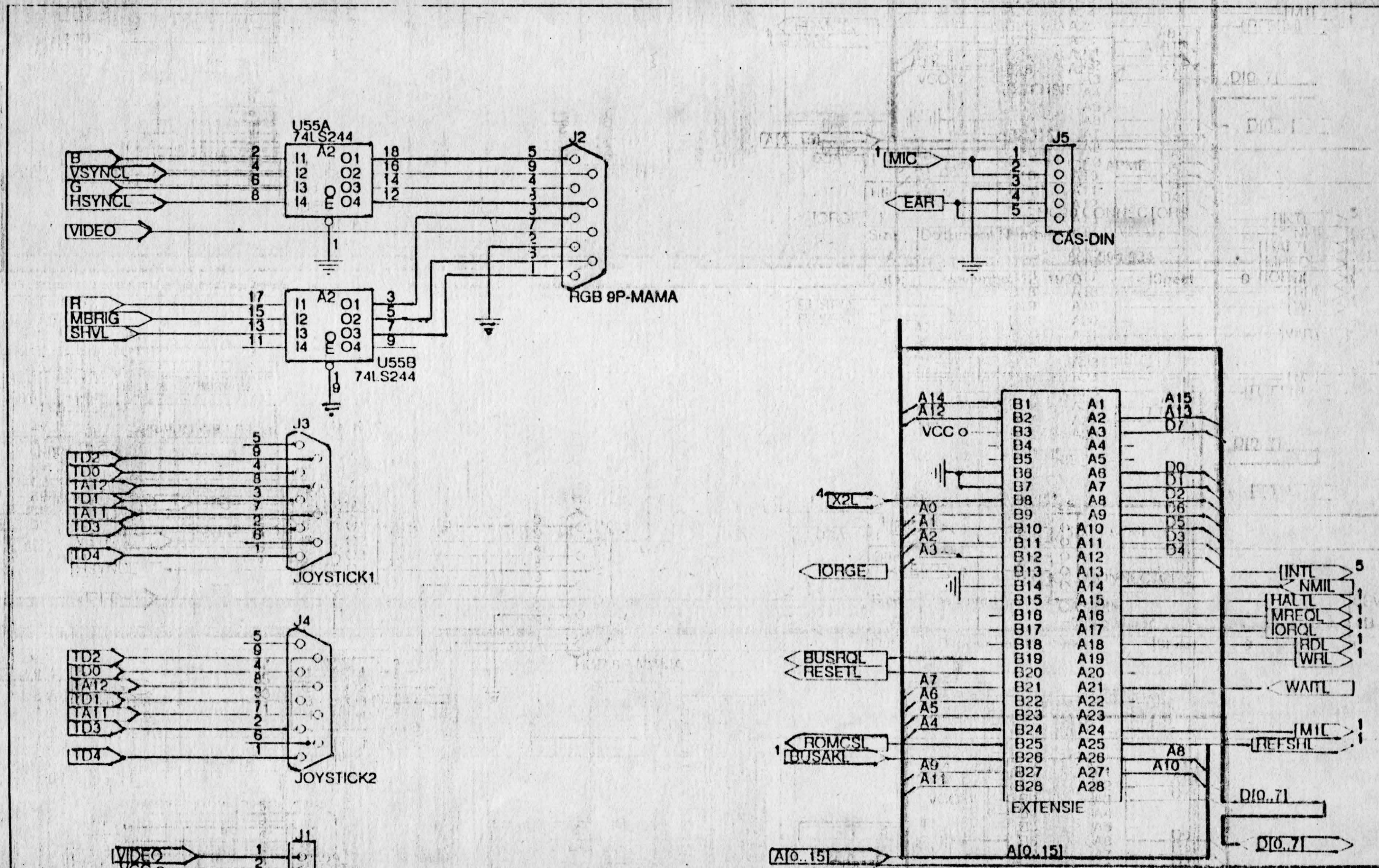

U18
74LS374
G5
VATR7
VATR6
VATR5
VATR4
VATR3
VATR2
VATR1
VATR0
MV7
MV6
MV5
MV4
MV3
MV2
MV1
MV0
MV[0..6]
BORD
U22
74S257
G4
MR4
MG5
MB2
U24
74LS175
C4
R
G
B
BRIGHT
14MHZL
BLANK
X[2..4]
X4L
U19
74LS374
F5
VP7
VP6
VP5
VP4
VP3
VP2
VP1
VP0
MVP7
MVP6
MVP5
MVP4
MVP3
MVP2
MVP1
MVP0
U23
74LS151
H5
X2
X3
X4
U42B
F3
74LS86
D4
1N4148
BORDL
U41C
G6
74LS00
MV7
ATRIB
U21
74LS374
D5
VD7
VD6
VD5
VD4
VD3
VD2
VD1
VD0
VD[0..7]
R18
10K
R17
10K
R19
10K
VCC
E1D
LM324
R20
2.2M
C6
100N
C7
100N
DOT
U20
74LS374
E5
RED
BLUE
GRN
R40
R41
R42
1K
MR
MB
MG
ICE-APMS
Title
HC90 RGB
Size
A
Document Number
869594934
REV
B
Date: November 9, 1990
Sheet 6 of 9



ICE - APME	
Title: HC90 CLOCKS	
Size: A	Document Number: 869 594 934 — REV: B
Date: November 12, 1990	Sheet 7 of 9



ICE-APME				
Title	HC 90 RAM			
Size A	Document Number 869 594 934			REV B
Date: November 9, 1990	Sheet	8	of	9



ICE - APME

Title: HC90 CONNECTORS

Size	Document Number	REV
A	869 594 934	B

Date: November 12, 1990 | Sheet 9 of 9